

A. Authors, Institutions, Overview

- 0 | 1. Title — Enter a title, beginning with a descriptive reference to the specimen material or other characteristics specific to this data record, e.g. "Polyvinyl Acetate Degradation During XPS Measurements. Please refrain from using titles beginning with the name of the spectroscopy, e.g. avoid titles like "AES Study of. . . ."

Cu Br₂ by XPS

- ① | 2. Authors, Institutions, and Locations (city, state, province, or country) — list authors and affiliations, in order of appearance in SSS.

<u>R ichard P.Vasquez</u>	<u>Author</u>	<u>Jet Propulsion Laboratory</u>	<u>Institution</u>	<u>Pasadena, CA</u>	<u>Location</u>	<u>91109-3099</u>

- ① | 3. Abstract — Summarize and include key information about the specimens and spectra, such as specimen material, measurement procedures, and significance of the research. The abstract will be reprinted verbatim.

X-ray photoemission measurements of CuBr₂ are presented.
XPS studies of Cu compounds in this laboratory have been
motivated by the need to identify species on chemically-
etched high temperature superconductor surfaces (e.g. see
Ref. 1)

- ① | 9. Key Words - *List selected phrases and words to help readers search for information in the database, e.g. Auger electron spectroscopy, oxidation, corrosion, surface segregation. Be selective, but thorough.*

X-ray photoemission, copper (II) bromide, copper compounds

- ① | 10. Spectra Category - *Check the suggested category of the data record: Technical, Comparison, or Reference (see the overview of instructions for definitions). The editors may suggest an alternate category, based on the recommendations of referees.*

Technical Comparison Reference

- ③ | 11. References - *List citations to articles related to the do/o record using /the style of J. Vac. Sci. Technol.*

1. R. P. Vasquez, M. C. Foote, and B. D. Hunt, J. Appl. Phys., 66, 4866 (1989),

2. R. W. G. Wyckoff, Crystal Structures, 2nd ed. (Wiley, New York, 1963), Vol. 1, p. 345,

- ⑤ | 12. Acknowledgements

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Tuesday 11/30/1993
14:44:50

CuBr₂ pressed into In

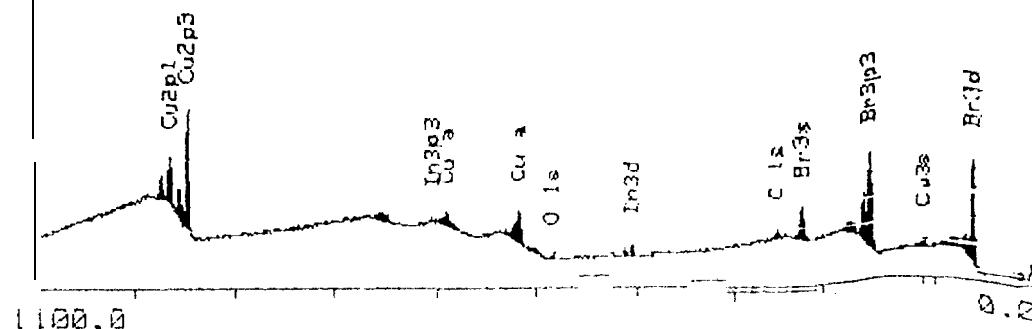
(1) CuBr₂_1

of Scans
Flood Gun
eV

10000, 93
6386

" 50000 "p": RPV Groups: 4

1000 u Counts



SURFACE COMPOSITION TABLE
CuBr₂_1
CuBr₂ pressed into In

Elem.	Corr'd BE	Flood Gun	Delta BE	Sens Factor	# of Scans	eV/group	Area	Relative Area	Atom %
Cu2p3	933.50	0 . 0	-2.50	9.748	2	137.5	55005	303088	27.00
Br3d	68.75	0.0	.25	3.188	2	137.5	33202	559441	49.83
c 1s	284.92	0.0	-.32	1.000	2	137.5	3877	208237	18.55
In3d	445, 240.0	0.0	-2.24	20.417	2	137.5	5574	14663	1.31
O 1s	533.33	0.0	-1.33	2.494	2	137.5	1726	37172	3.31